

RHIC & AGS Users' Organization

Peter Steinberg

Brookhaven National Laboratory

Annual DOE RHIC Science and Technology Review

July 6-8, 2005

BNL Resources for RHIC Users

RHIC & AGS Users' Group --

An organization of scientists who make use of BNL's RHIC, AGS, National Space Radiation Lab (NSRL), Tandems, and Accelerator Test Facility (ATF).

RHIC & AGS Users' Executive Committee (UEC) --

The elected and appointed representatives of the Users' Group

RHIC & AGS Users' Center --

Established in April 2000. Assists users in obtaining visas and approval for site access, accomplishing required safety training, and dealing with quality of life issues. Works with BNL management to implement regulations. Organizes UEC and users' meetings.

Thanks, Thanks, and more Thanks

Tax Payers: Thanks to the governments of the U.S., Japan, and many other nations for providing the resources to support users. In particular, we thank Ray Orbach and Dennis Kovar of U.S. DOE.

BNL Administration: Thanks to Jack Marburger, Peter Paul, Praveen Chaudhuri, and Peter Bond for “from the top” support of users.

BNL Line Management: Thanks to Tom Ludlam, Tom Kirk, = Sam Aronson, Derek Lowenstein, and Sally Dawson for supporting the formation and development of our dedicated Users’ Center.

Users’ Center staff: Thanks to Susan White de Pace, Angela Melocoton, Kelly Guiffreda, and Mercy Baez for dedicated, professional, and friendly service to all users.

User Demographics by Position

<u>Category of User</u>	<u>As of July 2005</u>
Total RHIC & AGS	1669
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Total RHIC	1024
RHIC Faculty/Staff	577
RHIC Grad. Student	302
RHIC Postdoc	73
RHIC Remote User	40
RHIC Other	32
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Total AGS, ATF, NSRL, tandems	645

User Demographics by Experiment

Collaboration

July 2005

Total Users

1669

Total RHIC Users

1024

PHENIX

456

STAR

420

PHOBOS

66

BRAHMS

51

eRHIC

14

RIKEN

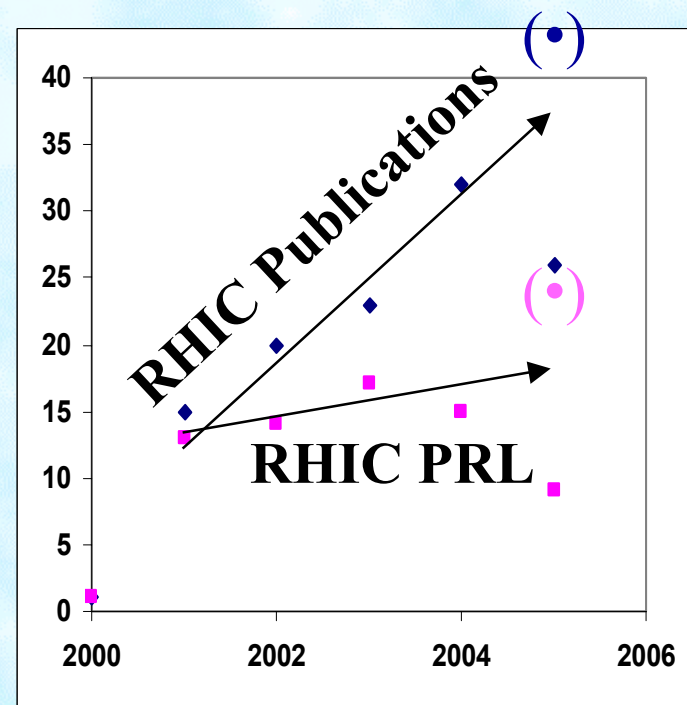
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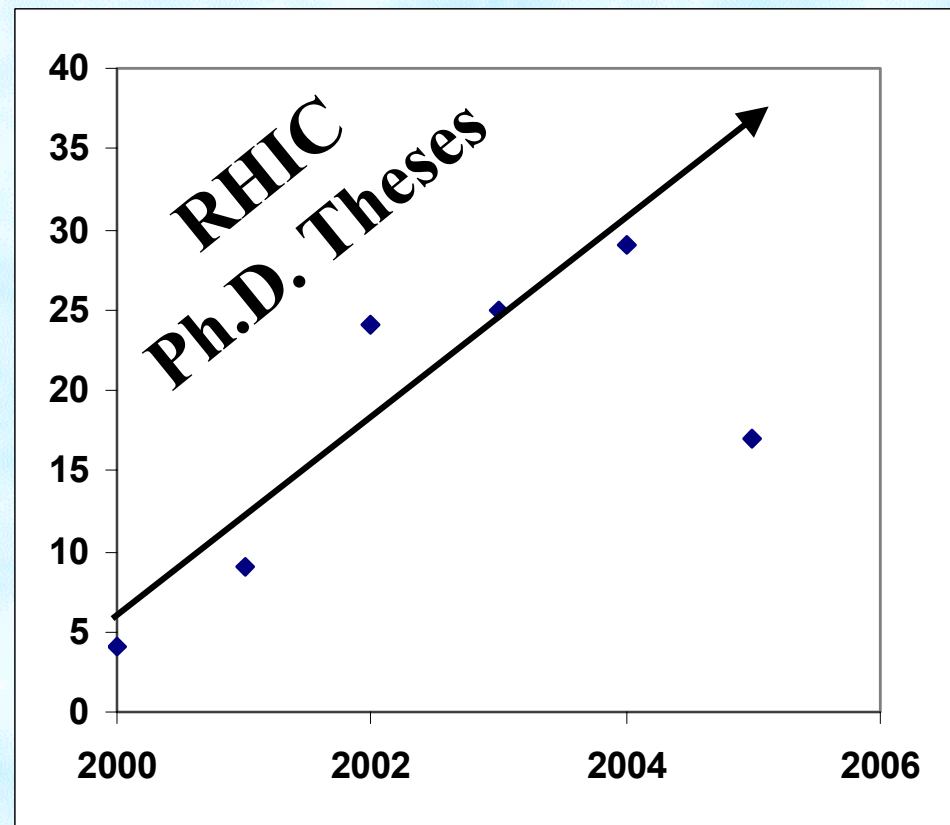
RHIC Peer-Reviewed Publications

<u>Year</u>	<u>Total RHIC</u>	<u>PRL</u>	<u>PRC</u>	<u>PRD</u>	<u>PLB</u>	<u>NPA</u>
RHIC Totals	117	69	32	1	9	6
2000	1	1	0	0	0	0
2001	15	13	1	0	1	0
2002	20	14	6	0	0	0
2003	23	17	3	0	3	0
2004	32	15	14	0	2	1
2005	26	9	8	1	3	5
<i>pend.</i>	(17)	(9)	(7)		(1)	



RHIC Ph.D. Theses

<u>Year</u>	<u>Ph.D. Theses</u>
RHIC Totals	103
2000	4
2001	9
2002	24
2003	25
2004	29
2005	12



2005 RHIC User Awards and Prizes

Thesis Awards at User Meeting:

Abigail Bickley, U. Colorado (U. Maryland thesis)
Christian Klein-Boesing, Muenster, GERMANY

Poster Award at User Meeting:

Carla Vale, ISU (MIT, PHOBOS Poster)

DOE Early Career and BNL Sambamurti Awards:

Saskia Mioduszewski, BNL

DOE Early Career Award:

Zhangbu Xu, BNL

NSF Career Award:

Michael Murray, U. Kansas

BNL Gertrude Scharff-Goldhaber Prize:

Ann Sickles, SUNY Stony Brook

Intel Semi-Finalist:

Ben Huang, SUNY Stony Brook

Users' Group and UEC Meetings

Annual Users' Meeting

(most recent June 20-24, 2005):

Four Open Forum Meetings per year:

April APS Meeting (2005 in Tampa;
2006 in Dallas)

Fall DNP (2004 in Chicago;
2005 Joint with JPS in Maui)

December at BNL

Annual Users' Meeting Near End of RHIC Run

Monthly UEC Meetings (teleconferences at BNL)

RHIC & AGS Annual Users' Meeting (6/20-24, 2005)

Monday and Tuesday, June 20 and 21:

**Topical Workshops: 6 RHIC and 1 AGS
(Included both Experiment and Theory)**

Wednesday, June 22:

RHIC Science: the Next Phase

Parallel Working Groups (a.m.) and Plenary (p.m.)

Thursday, June 23, Plenary Sessions:

- **Latest Results from RHIC**
- **Open Forum to Solicit User Input and Raise Awareness**
- **Reports from Funding Agencies and BNL Management**
- **Talks on Future of Nuclear and High Energy Physics**
- **Elections, Annual Thesis and Poster Awards**

Friday, June 24, Plenary Sessions

- **Summaries and Findings from Workshops**
- **Additional Results from RHIC, AGS, ATF, and NSRL**

Annual Users' Meeting Workshops

Eight RHIC Workshops:

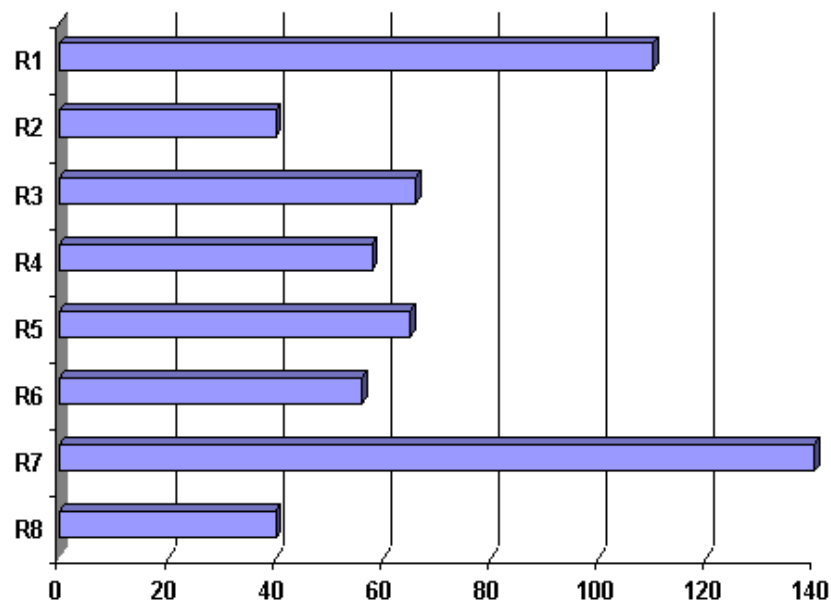
- R1: High p_T & Jet Physics
- R2: Correlations & Fluctuations
- R3: Femtoscopy
- R4: Proton Spin Physics
- R5: Heavy Flavor
- R6: Photons
- R7: RHIC Science: the Next Phase
- R8: Cosmological Implications

One AGS Workshop:

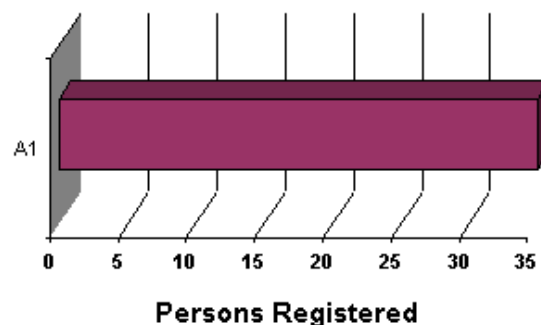
- A1: Measuring Rare Kaon Decays with KOPIO

182 Registered for Thursday and Friday

2005 RHIC Workshop Attendance



2005 AGS (KOPIO)
Workshop Attendance



UEC Chairs in the Era of RHIC

Since 2002, UEC Chairs Serve Staggered 3-year Terms

Jim Thomas, LBNL Chair 1999-2001

Rich Seto, UCR Chair 2001-3, Past Chair 2003-4

Vicki Greene, Vanderbilt

Chair-Elect 2002-3, Chair 2003-4, Past Chair 2004-5

Gary Westfall, MSU

Chair-Elect 2003-4, Chair 2004-5, Past Chair 2005-6

Brant Johnson, BNL

Chair-Elect 2004-5, Chair 2005-6, Past Chair 2006-7

John Hill, ISU

Chair-Elect 2005-6, Chair 2006-7, Past Chair 2007-8

2005 UEC Election Results

Chair-Elect (3-year term):	John Hill, ISU
UEC Member 3-year term:	Abhay Deshpande , SUNYB Matthias Grosse Perdekamp, UIUC John Lajoie, ISU
UEC Member 2-year term:	Julia Velkovska, Vanderbilt
UEC Member 1-year term:	Jim Sowinski, Indiana
Student/Postdoc Reps. 1-year term:	Sevil Selur, Yale Carla Vale, ISU
Continuing Members:	Gary Westfall, MSU, Past-Chair Brant Johnson, BNL, Chair Mike Sivertz, BNL Peter Steinberg, BNL Barbara Erasmus, Subatech George Stephans, MIT

Major Concerns of RHIC User Community

1. **FUNDING for Research (groups and nations)**
FUNDING for RHIC and Detector Operations
FUNDING for RHIC and Detector Upgrades
FUNDING for long-term future (RHIC II, e-RHIC)
2. **Visa Issues and Approval for BNL Site Access:**
Of 1024 RHIC Users, only 319 are U.S.,
while 705 (69%) are non-U.S.
Currently 230 RHIC “sensitive” country users:
Russia (113), China (62), India (43), Israel (4),
Taiwan (4), Pakistan (2), Georgia (1), and Ukraine (1).
3. **Safety, Training, and Quality of Life at BNL.**
4. **Staying abreast of changing rules and regulations.**
e.g., Homeland Security Presidential Directive, HSPD-12

UEC Reorganization into Working Groups

Brookhaven Site Access

- Physical Access (Visa, Guest Appointment, Gate Access)
- Computer Access (Cybersecurity, Scientific Computing)
- Scientific Computing and data transfer issues

Funding and Political Action

- Funding: Facility Operations, Research, and User Support.
- Political Action: Interactions with DOE, OSTP, OMB, Congress

Meetings and Open Forums

- Annual Users' Meeting and semi-annual Users' Group Meetings
- Quarterly Open Forums and Monthly UEC Meetings.

Quality of Life

- Housing and Transportation; Recreation and Socialization
- Site Enhancements (better lighting, foot paths, maintenance)
- Agenda input for Open Forums at BNL and User Group Meetings
- Liaisons to Association for Students And Postdocs (ASAP)